

iGEM TU/e 2014

Biomedical Engineering

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Plasmid and gene digestion

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1 Plasmid and gene digestion

Component	Quantity/mass/final concentration	Volume (μL)
H ₂ O	Fill up to 50 μL	..
10x buffer (Cut-Smart)	1 X	5
Plasmid DNA	5 μg (stock ... ng/μL)	..
Restriction enzyme 1	20 U (20 U/μL stock)	1
Restriction enzyme 2	20 U (20 U/μL stock)	1
<i>Total</i>		50

- Mix well by pipetting up and down
- Incubate for 1 hour at 37°C, in PCR machine
- Heat inactivate for 20 min at 65°C, in PCR machine
- Store in fridge (-30°C)